	REISSUE A POWER OF	PPLICATION CON ATTORNEY	BINATION DEC	CLARATION &	ATTORNEY D 100717- 522 / Relasue			
I/We her	eby declare t	that:				······································		3
My/our re	esidence, po:	st office address a	ınd citizenship e	are as stated be	low next to m	V namo		
original, and clair	leve I am/we first and joint ned in patent	are the original, fi inventor (if plural r number <u>4,849,43</u> on entitled <u>HETER</u>	rst and sole invi names are listed	entor (if only on d below) of the s	e name is list	ed below	n) or	
the spec	ification of wh	nich					<del></del>	
(0	chéck one)	☐ Is being filed t	nerewith, or	•				
		☑ was filed on 10/067,189 an	February 4, 20 d	02 as reissue	application s	erial nur	nbei	r
		understand the c	Liesement to ADC	ve.				
I acknow	ledge the dut	ty to disclose infon ilations §1.56.	mation which is	material to pate	entability as d	efined in	Title	e 37,
I hereby of application application priority is	claim foreign on(s) for pater on for patent o claimed:	priority benefits ur nt or inventor's cer or inventor's certifi	nder Title 35, Un tificate listed be cate having a fi	nited States Co Plow and have a ling date before	de, §119 of a also identified that of the ap	ny foreig below a pplication	n ny fo i on	orelgn which
Prior F	oreign Appli	cation(s)				Priority (	Clair	med
SHO 6 (Numb	i1-48629 er)	(Countr	n y)	07 March 198 (Day/Month/Yi		☑yes		no
(Numb	er)	(Country	y)	(Day/Month/Yr	. Filed)	□yes		по
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			(ruing Date)	(paten	(Status) ted, pending, abar	ndoned)		
(Applica	ation Serial N	o.)	(Filing Date)	(paten	(Status) ted, pending, abar	idoned)		
(Applica	ation Serial N	0.)	(Filing Date)	(pateni	(Status) ted, pending, aban	doned)		

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (check all boxes that apply)
D by reason of a defective specification or drawing.
by reason of the patentee claiming more or less than he had the right to claim in the patent.
🗵 by reason of other errors as described below.
The present reissue application is filed to correct two errors: First, patent claim 9 is improperly dependent on patent claim 8. Patent claim 8 requires "a compound according to claim 1." Patent claim 1, in turn, limits such compound to those wherein "A represents an ethylene group which may be substituted by methyl." Patent claim 9 recites two tetrahydropyrimidine compounds and one tetrahydrothiazine compound, which would correspond to compounds of patent claim 1 wherein A represents a propylene group. Since patent claim 1 does not permit A to represent a propylene group, patent claim 9 is improperly dependent on patent claim 8.
Second, the USPTO has determined that patent claims contain multiple independent and distinct inventions, and has required restriction.
The present reissue application corrects these two errors as follows: The patent claims have been limited to pyrrolidine compounds by amending original patent claim 1 to cancel values of X other than CH-R <sup>3</sup> , and canceling original patent claims 2-6 and 9.
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, or any patent to which this declaration is directed.
POWER OF ATTORNEY: As a named inventor, I hereby appoint
Practioners Associated with the Customer Number: 27384
as my/our attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

DIRECT TELEPHONE CALLS TO: Kurt G. Briscoe

(212) 808-0700

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FULL NAME OF SOLE OR FIRST INVENTOR	1 10 10 2000		γ·· ·······
FOIL MAINE OF SOLE OF FIRST INVENTOR	INVENTOR'S SIG	NATURE	DATE
KOZO SHIOKAWA	1 ago Sk	rollane_	30 April 2005
RESIDENCE		CITIZENSHIP	7
Kanagawa-ken, Japan		Japanese	
POST OFFICE ADDRESS			
Same as above			
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FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
SHINICHI TSUBOI		210110112	DA12
RESIDENCE		CITIZENSHIP	
Tokyo, Japan		Japanese	
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Same as above			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	LINVENTORIO OLO	MATURE	
SHINZO KAGABU	INVENTOR'S SIG	ANATUHE	DATE
RESIDENCE		Y	
Gifu-ken , Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
Same as above			
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FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
SHOKO SASAKI			
RESIDENCE		CITIZENSHIP	· · · · · · · · · · · · · · · · · · ·
Tokyo, Japan		Japanese	•
POST OFFICE ADDRESS			
Same as above			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	SNATURE	DATE
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY KOICHI MORIYA	INVENTOR'S SIG	SNATURE	DATE
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY KOICHI MORIYA RESIDENCE	INVENTOR'S SIG		DATE
RESIDENCE Tokyo, Japan	INVENTOR'S SIG	CITIZENSHIP	DATE
RESIDENCE Tokyo, Japan POST OFFICE ADDRESS	INVENTOR'S SIG		DATE
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REISSUE APPLICATION COMBINATION DECLARATION & POWER OF ATTORNEY	ATTORNEY DOCKET No.: 100717-522 / Bayer 6708.5
	Reissue

## I/We hereby declare that:

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inventor (if plural names are I	inventor (if only one name is isted below) of the subject m	s listed below) or an
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		ion serial number
understand the contents of the same amendment referred to	he above identified specifica above.	tion, including the
V to disclose information while	h is material to patentability	as defined in Title 37,
priority benefits under Title 35 nt or inventor's certificate liste or inventor's certificate having	5, United States Code, §119 d below and have also ident a filling date before that of th	of any foreign ified below any foreigr le application on whicl
ation(s)		Priority Claimed
Japan (Country)	07 March 1986 (Day/Month/Yr. Filed)	_ ⊠yes □ no
(Country)	(Day/Month/Yr. Filed)	_ □yes □ no
application in the manner pro- knowledge the duty to disclos	vided by the first paragraph are material information as de	tion is not disclosed in of Title 35, United
0.) (Filing Date	e) (Status (patented, pending,	s) abandoned)
o.) (Filing Date	(Status (patented, pending,	3) abandoned)
).) (Filing Date	(Status	<del>)</del>
	are the original, first and sole inventor (if plural names are I to number 4,849,432, granted on entitled HETEROCYCLIC thich    is being filed herewith, or     was filed onFebruary 4, 10/067,189 and     understand the contents of the pany amendment referred to by any amendment referred to by to disclose information which is priority benefits under Title 35 and or inventor's certificate lister or inventor's certificate having     cation(s)   Japan     (Country)     (Country)     (Country)     (Country)     (Filing Date of this application	Is being filed herewith, or  Was filed onFebruary 4, 2002 as relssue applicat 10/067,189 and  Sunderstand the contents of the above identified specifically any amendment referred to above.  You disclose information which is material to patentability in the principle of the patentability of

(patented, pending, abandoned)

I verily believe the below. (check all	original patent to be wholly or partly inoperative or invalid, for the reasons described boxes that apply)
	by reason of a defective specification or drawing.
	by reason of the patentee claiming more or less than he had the right to claim in the patent.
国比	by reason of other errors as described below.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, or any patent to which this declaration is directed.

POWER OF ATTORNEY: As a named inventor, I hereby appoint

Practioners Associated with the	
Customer Number:	27384
	L

as my/our attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

DIRECT TELEPHONE CALLS TO: Kurt G. Briscoe (212) 808-0700

POLL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SI	GNATURE	DATE
KOZO SHIOKAWA	""" = ""   ""   ""   ""   ""   ""   "	CHAIGHE	DATE
RESIDENCE		CITIZENSHIP	
Kanagawa-ken, Japan			
POST OFFICE ADDRESS		Japanese	
Same as above			
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FULL NAME OF SECOND JOINT INVENTOR, IF ANY	LINIVENITORIO OL	A	
SHINICHI TSUBOI	INVENTOR'S SI	GNATURE	DATE
RESIDENCE	Thin-illi	[ suboi	MAYOR, of
Tokyo, Japan		CITIZENSHIP	0
POST OFFICE ADDRESS		Japanese	
Same as above			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY			
SHINZO KAGABU	INVENTOR'S SI	GNATURE	DATE
RESIDENCE			
Gifu-ken , Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
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FULL NAME OF FOURTH TOWN THE			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY SHOKO SASAKI	INVENTOR'S SIG	BNATURE	DATE
RESIDENCE			-, .,
Tokyo, Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
Same as above			
Same as above			
FULL NAME OF FIFTH JOINT WITH			<del></del>
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY KOICHI MORIYA	INVENTOR'S SIC	NATURE	DATE .
RESIDENCE	Korchi Man.	4100	28 April 2005
Tokyo, Japan	7 7 7 7	CITIZENSHIP	Terlibal pol
POST OFFICE ADDRESS		Japanese	
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FILL NAME OF CIVIL IONIS AND			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY YUMI HATORI	INVENTOR'S SIG	NATURE	DATE
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Tokyo, Japan		Japanese	
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FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
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REISSUE APPLICATION COMBINATION DECLARATION &	ATTORNEY DOCKET No.
POWER OF ATTORNEY	400040 and 10
FOWER OF ATTURNEY	100717- 522 / Bayer 6708.5
	Reissue
	11013300

I/We hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my name,

I/We believe I am/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number <u>4.849,432</u>, granted <u>July 18, 1989</u> and for which a reissue patent is sought on the invention entitled <u>HETEROCYCLIC COMPOUNDS</u>

the specification of which

(check one) is being filed herewith, or

was filed on February 4, 2002 as reissue application serial number 10/067.189 and

I hereby reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority	Claimed
SHO 61-48629 (Number)	Japan (Country)	07 March 1986 (Day/Month/Yr. Filed)	⊠yes	□ no
(Number)	(Country)	(Day/Month/Yr. Filed)	□yes	□ no

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing data of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
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DIRECT TELEPHONE CALLS TO: Kurt G. Briscoe

(212) 808-0700

FULL NAME OF SOLE OR FIRST INVENTOR KOZO SHIOKAWA	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	_ <u></u>
Kanagawa-ken, Japan		Japanese	
POST OFFICE ADDRESS		1	
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FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	TDATE
SHINICHI TSUBOI	111111111111111111111111111111111111111	MAI ONE	DAIC
RESIDENCE Tokyo, Japan	***************************************	CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
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FULL NAME OF THIRD JOINT INVENTOR, IF ANY SHINZO KAGABU	INVENTOR'S SIG		DATE
RESIDENCE	Ming) /	Congrelia	May 2 2005
Glfu-ken , Japan		SITIZENSHIP	
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Tokyo, Japan	_	Japanese	
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RESIDENCE Tokyo Japan		CITIZENSHIP	<u> </u>
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FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
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Tokyo, Japan		CITIZENSHIP	
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REISSUE APPLICATION COMBINATION DECLARATION & ATTORNEY DOCKET No.: 100717- 522 / Bayer 6708.5 Reissue

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I hereby reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose Information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, \$119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
SHO 61-48629 (Number)	Japan (Country)	07 March 1986 (Day/Month/Yr. Filed)	⊠yes	□ no
(Number)	(Country)	(Day/Month/Yr. Filed)	□yes	□ no

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing data of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

	i i
I verily believe the original patent to be wholly o below. (check all boxes that apply)	r partly inoperative or invalid, for the reasons described
by reason of a defective spec	ification or drawing.
by reason of the patentee claim the patent.	ming more or less than he had the right to claim in
🖾 by reason of other errors as d	escribed below.
1, in turn, limits such compound to those where substituted by methyl." Patent claim 9 recites to tetrahydrothlazine compound, which would corre	espond to compounds of patent claim 1 wherein A
Second, the USPTO has determined that paten inventions, and has required restriction.	it claims contain multiple independent and distinct
The present reissue application corrects these timited to pyrrolidine compounds by amending cCH-R³, and canceling original patent claims 2-6	two errors as follows: The patent claims have been original patent claim 1 to cancel values of X other than and 9.
All errors corrected in this reissue application ar applicant.	rose without any deceptive intention on the part of the
with the knowledge that willful false statements imprisonment, or both, under Section 1001 of T	n of my own knowledge are true and that all statements be true; and further that these statements were made and the like so made are punishable by fine or itle 18 of the United States Code and that such willful he application or any patent issued thereon, or any
POWER OF ATTORNEY: As a named inventor	, I hereby appoint
Practioners Associated with the Customer Number:	27384
as my/our attorney(s) and/or agent(s) to prosecu Patent and Trademark Office connected therew	ute this application and transact all business in the ith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

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(212) 808-0700

KOZO SHIOKAWA	INVENTOR'S SIGNATURE		DATE
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FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	INVENTORIO DIO	NAME OF THE OWNER O	
	INVENTOR'S SIG	NATURE	DATE
RESIDENCE		CITIZENSHIP	<u> </u>
POST OFFICE ADDRESS			